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(54) Title: COMPOSITION ACTING AS COUPLING AGENT FOR FILLED AND PEROXIDICALLY CROSSLINKING RUBBER COMPOUNDS

(57) Abstract: The present invention relates to a composition acting as coupling agent between fillers and peroxidically crosslinking elastomers in rubber compounds, which comprises, as component comprising silicon compounds, a mixture a) of vinylalkoxysiloxanes with alkylalkoxy-siloxanes, or b) of vinylalkoxysiloxanes with phenylalkoxy-siloxanes, or c) of vinylalkoxysiloxanes with phenyl/alkyl-alkoxysiloxanes or d) of acrylic or methacrylic alkoxy-siloxanes with alkylalkoxysiloxanes, or e) of acrylic or methacrylic alkoxy-siloxanes with phenylalkoxysiloxanes, or f) of acrylic or methacrylic alkoxy-siloxanes with phenyl/alkylalkoxysiloxanes, or g) of at least one co-oligomeric organosiloxane which, as organofunctional groups, bears at least one group from the series vinyl, acrylic and methacrylic, and at least one group from the series alkyl and phenyl, and at least one alkoxy or hydroxy group. The present invention further relates to the use of a composition of the invention as a coupling agent in filled and peroxidically crosslinking rubber compounds, to rubber compounds obtained in this way, and to items made therefrom.

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